

Sunny Island Inverter / Charger 3.3kW

The Sunny Island 3324 is an exciting development, extending the product range of battery inverters for stand-alone grids. This product makes stand-alone grids, with perfect sine-wave voltage, high overload capabilities and outstanding reliability, available to everyone. Simple installation and intuitive operation are only two of the outstanding characteristics of the Sunny Island 3324. With this inverter it becomes possible for several houses to share solar power. The Sunny Island 3324 was developed to satisfy almost all of the requirements for island grid applications and grid substitution systems and is the first choice for every situation requiring a reliable, high quality supply of power.

At 25 °C, the Sunny Island 3324 produces a constant output power of 3300 Watts, and still produces a respectable 2300 Watts at 45 °C. This power level is sufficient to provide most family devices with energy while still maintaining a healthy reserve. The Sunny Island 3324 can also supply problematic power consumers requiring high startup power, such as water pumps and large cooling systems. This inverter operates quietly and can be fed from a number of different sources, such as wind energy, the public main grid in utility backup systems, waterpower and solar energy. Compatibility with existing SMA communication products, which have been proven over many years, allows trouble-free convenient system monitoring, even over a GSM modem. The optionally available "GenMan" (Generator Management) offers an interface for the optimum control of your generator.



Output data	3324	4248
Nominal AC voltage	230 V	230 V
Nominal frequency	50 Hz	50 Hz
Continuous AC output at 25 °C	3300 W	4200 W
AC power for 30 min at 25 °C	4200 W	5400 W
Input data		
Input voltage	173 - 250 V	173 - 250 V
Input frequency	40 - 60 Hz	40 - 60 Hz
Max. input power	12.8 kW	12.8 kW
Battery data		
Battery voltage (range)	24 V (21 V - 32 V)	48 V (41 V - 63 V)
Continuous charging current	104 A	80 A
Efficiency		
Max. efficiency (typ.)	94.5 %	95.0 %
Protection class		
per DIN EN 60529	IP 30	IP 30
Device protection		
Mechanical data		
width × height × depth (in mm)	390 × 590 × 245	390 × 590 × 245
weight	approx. 39 kg	approx. 39 kg
Ambient conditions		
Operating temperature range	from -25 °C to +50 °C	from -25 °C to +50 °C

In charging operation, the Sunny Island 3324 can deliver over 3300 Watt to the batteries. Switching occurs synchronously, and thus without interruption, and the contactor can cope with a load of 56 A at 230 V. If the external AC powersource fails, the system switches lightning fast to standalone mode, within 20 ms.

Once the energy supply system is in operation, the Sunny Island 3324 will provide years of reliable operation without any maintenance worth mentioning. After all, you want power – and not problems.

- 12V 2kW Cat.# INV-SI2012
- 24V 2.2kW Cat.# INV-SI2224
- 24V 3.3kW Cat.# INV-SI3324
- 48V 4.2kW Cat.# INV-SI4248
- 48V 5kW Cat.# INV-SI5048



Warranty: 5yrs



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